

**TWO-WAY LED MANUAL TRANSMISSION
REMOTE STARTER WITH FULL ALARM SYSTEM**

User Guide

Table of Contents

Introduction	2	Temporary Chirp Delete	12
Using the Remote Control	2	Cold Weather Mode.....	12
Feature Confirmation Chart	3	Advanced Features: Installation-	
Vehicle Status Request	3	programmable Options	12
Status Request When the Engine IS NOT		Passive or Active Arming.....	12
Running When in Ready Mode.....	4	Remote Door Locks	13
Out of Ready Mode Status Request.....	4	Priority Door Access	13
Status Request When the Engine is		Ignition-Controlled Door Locks and	
Running	5	Relock.....	13
Alarm Status	6	Relock.....	13
How Run Time Cycles Work.....	6	Secure Lock.....	13
Multi-Level Features (default state).....	6	Remote Trunk Release.....	13
Remote-Starting Your Vehicle	8	The Starter Kill and the Anti-grind Feature	
Setting Your Vehicle into Ready Mode... 8		.....	13
Remaining In Ready Mode	8	Safe Start.....	14
To remote start your vehicle	8	Home Valet™.....	14
Vehicle Presets.....	8	Turbo Mode	14
Driving Off.....	9	Engine Run Time	14
Using the Remote Starter	9	Extended Run Time	14
Arming and Disarming the Security		Multi-car Operation	14
System.....	9	Shock Sense, Warn-away Sense	14
Idle Mode.....	9	Siren or Horn Chirps	15
Turbo Mode	10	Disarmed Notification.....	15
Valet Mode.....	10	Car Finder.....	15
Valet Mode Using the Valet Switch (if		Flashing LED	15
installed)	10	Troubleshooting Transmitting Range....	15
Ignition Valet.....	10	Intrusion Codes through the LED Light. 15	
Remote Valet Mode	11	Diagnostics – Chirps Table.....	16
“Home Valet™” Mode	11	Diagnostics – Parking Light Flash Table17	
Panic Mode.....	11		
Quick Lockout™.....	12		

Introduction

This is a state-of-the-art remote starter system. The system is packed with advanced features such as priority access to the driver's door (commodity features) and the safe start children safety feature. With many an advanced function, this product will satisfy any one your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

INDUSTRY CANADA USER NOTICE:

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

FCC USER NOTICE (U.S.A.):

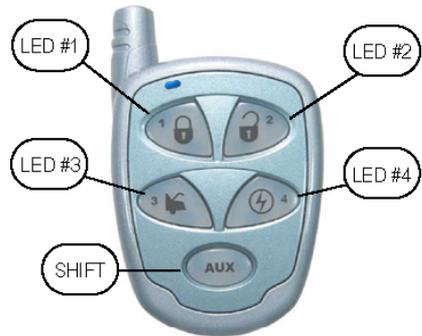
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Using the Remote Control

Your remote starter is equipped with a 5-button multi-channel remote control. It can operate two independent vehicles equipped with a remote starter (see **Multi-car operation** section on page 14). The functions of the transmitter are as follows:

	LOCK: Locks the Doors and arms the Security System and the STARTER KILL.
	UNLOCK: Unlocks the Doors and disarms the Security System and the STARTER KILL. Activates the AUX 2 output if Priority Door Access is configured.
	TRUNK: Opens the TRUNK or activates the AUX 3 output.
	START/STOP: Remote start/stop. Cold Weather Mode by pressing the SHIFT button and then pressing and holding START/STOP button for 3 seconds.
AUX	SHIFT: This button serves as a second function button. In combination with the other four buttons, this button allows to assign different functions to those buttons.



Picture serves as example only.

- Pressing and holding the LOCK button for more than 3 seconds will lock all doors and will send a constant pulse as long as the LOCK button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling up the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**

- Pressing and holding the **UNLOCK** button for more than 3 seconds will unlock all doors and will send a constant pulse as long as the **UNLOCK** button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling down the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**

Feature Confirmation Chart

Feature	LED #1	LED #2	LED #3	LED #4	Beep(s)
Lock	3 flashes	X	X	X	1
Unlock	X	3 flashes	X	X	2
Trunk	X	X	3 flashes	X	1
Start	X	X	X	3 flashes	1
Start out of ready mode	X	X	X	3 flashes	4
Running	X	X	X	3 flashes	3
Stop	X	X	X	3 flashes	2
Entering Cold Weather Mode	X	X	X	3 flashes	1...+ ... 2
Exiting Cold Weather Mode	X	X	X	3 flashes	1... + ...1
Home Valet	3 flashes	X	X	3 flashes	2
Valet Mode	3 flashes	X	X	3 flashes	1
Exit Valet Mode	X	3 flashes	X	3 flashes	1

Vehicle Status Request

The status request feature allows the user to see the status of the vehicle —i.e.: if the doors are locked or unlocked or if the vehicle is in cold weather mode, home valet mode, in valet mode or how much time is left in the run time cycle. The following charts (Tables 1, 2 and 3) indicate the confirmation sequences.

To retrieve the vehicle status:

Press and release the **SHIFT** button then press and release the **TRUNK** button (there will be a beep). The transmitter will then flash the corresponding sequence of LEDs depending on the vehicle's status.

- If the engine is NOT running**, refer to Table 1.
- If the engine IS running under a remote start**, refer to Table 2 (if the doors are locked) or refer to Table 3 (if the doors are unlocked).

The status request feature is a two-step procedure:

- The first sequence of flashes denotes if the vehicle's doors are locked or unlocked.
- The second sequence of flashes (if applicable) denotes if the vehicle is *Cold weather mode*, *Home valet mode*, or *Valet mode* or out of *Ready Mode*.
- If there is no second sequence transmission, that the vehicle is not in any of the three (3) mentioned features (*Cold weather mode*, *Home valet mode* or *Valet mode* or out of *Ready Mode*).

Status Request When the Engine IS NOT Running When in Ready Mode

STATUS	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
Lock		3 flashes	X	X	X	1
Unlock		X	3 flashes	X	X	2
Cold Weather	1 st sequence if locked	3 flashes	X	X	X	2
	1 st sequence if unlocked	X	3 flashes	X	X	2
	2 nd sequence	X	X	X	1 second	X
Home Valet	1 st sequence if locked	3 flashes	X	X	X	2
	1 st sequence if unlocked	X	3 flashes	X	X	2
	2 nd sequence	1 second	X	X	1 second	X
Valet Mode	1 st sequence if locked	3 flashes	X	X	X	1
	1 st sequence if unlocked	X	3 flashes	X	X	1
	2 nd sequence	1 second	X	X	1 second	X

Table 1

Out of Ready Mode Status Request

STATUS	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
Out of Ready Mode	1 st sequence if locked	3 flashes	X	X	X	4
	1 st sequence if unlocked	X	3 flashes	X	X	4
	2 nd sequence	X	X	X	4 flashes	X

Table 2

Status Request When the Engine is Running

When the vehicle's doors are locked:

RUN TIME	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
If there is more than 3/4 of run time cycle	1 st sequence	3 flashes	X	X	X	3
	2 nd sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	ON for 1-sec	X
If there is more than half of run time cycle	1 st sequence	3 flashes	X	X	X	3
	2 nd sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	X	X
If there is more than 1/4 of run time cycle	1 st sequence	3 flashes	X	X	X	3
	2 nd sequence	ON for 1-sec	ON for 1-sec	X	X	X
If there is less than 1/4 of run time cycle	1 st sequence	3 flashes	X	X	X	3
	2 nd sequence	ON for 1-sec	X	X	X	X

Table 3

When the vehicle's doors are unlocked:

RUN TIME	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
If there is more than 3/4 of run time cycle	1 st sequence	X	3 flashes	X	X	3
	2 nd sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	ON for 1-sec	X
If there is more than half of run time cycle	1 st sequence	X	3 flashes	X	X	3
	2 nd sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	X	X
If there is more than 1/4 of run time cycle	1 st sequence	X	3 flashes	X	X	3
	2 nd sequence	ON for 1-sec	ON for 1-sec	X	X	X
If there is less than 1/4 of run time cycle	1 st sequence	X	3 flashes	X	X	3
	2 nd sequence	ON for 1-sec	X	X	X	X

Table 4

Alarm Status

STATUS	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
Door	If door is opened	1. flash 2. flash	1. flash 2. X	1. flash 2. X	1. flash 2. X	continuous
Hood	If hood is opened	flash	flash	flash	flash	continuous
Ignition	If ignition is turned ON	1. flash 2. X	1. flash 2. X	1. flash 2. X	1. flash 2. flash	continuous
Shock	If shock activated	1. flash 2. flash	1. flash 2. flash	1. flash 2. X	1. flash 2. X	continuous
Trunk	If trunk is opened	1. flash 2. X	1. flash 2. X	1. flash 2. flash	1. flash 2. X	continuous
Remote finder	Valet switch on for 3 sec.	X	X	X	X	continuous

Table 5

How Run Time Cycles Work

RUN TIME CYCLE	LED #1 will turn itself off when ...	LED #2 will turn itself off...	LED #3 will turn itself off ...	LED #4 will turn itself off...
3-minute run time cycle	... the cycle will have ended.	... 2 minutes into the cycle.	... 1 minutes into the cycle.	-
8-minute run time cycle	... the cycle will have ended.	... 7 minutes into the cycle.	... 5 minutes into the cycle.	... 3 minutes into the cycle.
15-minute run time cycle	... the cycle will have ended.	...11 minutes into the cycle.	... 7 minutes into the cycle.	... 4 minutes into the cycle.
20-minute run time cycle	... the cycle will have ended.	... 15 minutes into the cycle.	... 10 minutes into the cycle.	... 5 minutes into the cycle.
25-minute run time cycle	... the cycle will have ended.	... 19 minutes into the cycle.	... 13 minutes into the cycle.	... 7 minutes into the cycle.
30-minute run time cycle	... the cycle will have ended.	... 23 minutes into the cycle.	... 16 minutes into the cycle.	... 9 minutes into the cycle.

Table 6

Example: If the vehicle was programmed with a run time cycle of 15 minutes and the engine was running (under a remote start) for 5 minutes (meaning there is 10 minutes left in the run time cycle), LEDs #1 #2 and #3 would light up. LED #3 will turn itself off when there will be 8 minutes or less left in the run time cycle.

Multi-Level Features (default state)

Basic Features (press the SHIFT button 1X)

- SHIFT ➤ LOCK: aux 2
- SHIFT ➤ TRUNK: status request
- SHIFT ➤ START/STOP cold weather

Multi-Car Operation (press the SHIFT button 2X)

- SHIFT ➤ SHIFT ➤ LOCK: 2nd car lock
- SHIFT ➤ SHIFT ➤ UNLOCK: 2nd car unlock
- SHIFT ➤ SHIFT ➤ START/STOP: 2nd car start/stop
- SHIFT ➤ SHIFT ➤ TRUNK: 2nd car trunk

Customized Features (press the **SHIFT** button 3X)

(May not be applicable for certain vehicles)

Your installer can add customized features such as turning on the radio, opening sliding doors, etc.

SHIFT	➤	SHIFT	➤	SHIFT	➤	.....	LOCK:	customized feature 1
SHIFT	➤	SHIFT	➤	SHIFT	➤	.....	UNLOCK:	customized feature 2
SHIFT	➤	SHIFT	➤	SHIFT	➤	.....	TRUNK:	customized feature 3
SHIFT	➤	SHIFT	➤	SHIFT	➤	.....	START/STOP:	customized feature 4

Setting Transmitter Features (press the **SHIFT** button 4X)

By default, the multi-level features are programmed as follows:

- Level 1 (Basic Features)
 - Level 2 (Multi car operation)
 - Level 3 (Customized Features)
- To access a feature that is programmed as level 1, press the **SHIFT** button once followed by the desired function.
 - To access a feature that is programmed as level 2, press the **SHIFT** button twice followed by the desired function.
 - To access a feature that is programmed as level 3, press the **SHIFT** button three times followed by the desired function.

Your installer can customize the system as to personalize these multi-level features in an order that best suits you. Your options are:

Option 1:

Level 1 (requires pressing the SHIFT button 1X)	➔	Multi car operation
Level 2 (requires pressing the SHIFT button 2X)	➔	Basic features
Level 3 (requires pressing the SHIFT button 3X)	➔	Customized features

Option 2:

Level 1 (requires pressing the SHIFT button 1X)	➔	Basic features
Level 2 (requires pressing the SHIFT button 2X)	➔	Multi car operation
Level 3 (requires pressing the SHIFT button 3X)	➔	Customized features

Option 3:

Level 1 (requires pressing the SHIFT button 1X)	➔	Customized features
Level 2 (requires pressing the SHIFT button 2X)	➔	Multi car operation
Level 3 (requires pressing the SHIFT button 3X)	➔	Basic features

Option 4:

Level 1 (requires pressing the SHIFT button 1X)	➔	Basic features
Level 2 (requires pressing the SHIFT button 2X)	➔	Customized features
Level 3 (requires pressing the SHIFT button 3X)	➔	Multi car operation

Example: If the multi-level features were set to option 3, the setup would be as follows:

- Level 1 ➔ Customized feature
- Level 2 ➔ Multi car operation
- Level 3 ➔ Basic features

The “**Basic features**” are now programmed as level 3 and therefore:

- To access the **aux.2** feature, the user needs to press on the **SHIFT** button **three (3)** times followed by the **LOCK** button.
- To access the **status request** feature, the user needs to press on the **SHIFT** button **three (3)** times followed by the **TRUNK** button.
- To access **cold weather mode**, the user needs to press on the **SHIFT** button **three (3)** times followed by the **START/STOP** button.

Note: When using the companion remote, Shift button must be pressed twice quickly the first time. For instance, to access **customized feature 1**, press **SHIFT** twice quickly, **SHIFT** and **SHIFT** again followed by **Lock**.

Remote-Starting Your Vehicle

Setting Your Vehicle into Ready Mode

In order to start the vehicle by remote, the unit must first be set to Ready Mode. If the unit is not set to Ready Mode, it cannot remote-start the vehicle.

Once the system is set to Ready Mode, the vehicle can be remote-started and stopped at wish. The system will exit Ready Mode if a door, the hood or the trunk is opened, if the brake pedal is pressed, if the parking brake is disengaged or if the ignition key is turned to the **IGNITION ON (RUN)** position.

To set the system to Ready Mode:

1. Ensure that all the doors are closed and that the gear selector is in the neutral position.
2. With the engine already running, apply the parking brake and release the brake pedal.
Make sure to release the brake pedal.
3. Within 20 sec. press and hold **LOCK**, **UNLOCK** or **START/STOP** on the transmitter.
The parking lights will flash 3 times quickly and remain lit.
4. Remove the key: the engine will go on running.
5. Exit the vehicle and close the door.
6. Press for approx. 1 second either:
 - a. **LOCK** to lock the doors and shut down the engine;
 - b. **UNLOCK** to unlock the doors and shut down the engine;
 - c. **START/STOP** to shut down the engine without affecting the doors.

Remaining In Ready Mode

Once the vehicle is in Ready Mode you can start and stop the vehicle at wish. However, should any of the following occur, the vehicle will exit Ready Mode – thus eliminating the remote start option until Ready Mode is restored:

Door opened;
Hood opened;
Trunk opened;
Brake pedal pressed;
Parking brake disengaged;
Ignition key turned to the **IGNITION ON (RUN)** position.

Should any of the above occur, Ready Mode will be cancelled.

Note: The unit will notify the user that it has exited Ready Mode by giving 3 slow flashes (parking lights).

To remote start your vehicle

Press the **START/STOP** button for approx. 1 second. The parking lights will come **ON** and the transmitter will beep once to inform you that the remote starter has received your signal. Approximately 5 seconds later, the engine will start. The transmitter will beep 3 times and the parking lights will remain **ON** during the pre-programmed run time of the engine.

If the vehicle does not start at the first attempt, the system will shut down.

Vehicle Presets

Heater & Heated Seats

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

Windshield Wipers & Radio & Headlights

Certain vehicles require the radio and / or windshield wiper and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are **OFF**. Leaving the headlight switch **ON** on certain types of vehicles could cause them to remain **ON** even after remote starter shut down, resulting in a dead battery.

Driving Off

With the vehicle running under remote control, press the **UNLOCK** button to disarm the security system and unlock the doors. Enter the vehicle and do the following:

Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key** to the **CRANK** position while the engine is running. This would cause the starter motor to re-engage.)

Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

Using the Remote Starter

Arming and Disarming the Security System

To **disarm** the alarm and Starter Kill (if installed) and unlock the doors (if installed):

1. Press and hold the **UNLOCK** button for approx. 1 sec.

You will hear **two chirps** if the Siren or Horn is so configured.

2. The **UNLOCK** button will light up on the L.E.D. display of the remote control. The parking lights will flash twice and the L.E.D. will go out to confirm that the doors have been unlocked and that the starter kill (if installed) and the alarm are disarmed. Turning the ignition **ON** and **OFF** will reset the alarm memory.

In Passive Mode, the System will rearm automatically 30 seconds after the key is out of the ignition or was not turned to the **ON** position and the last door is closed. Remember that if the vehicle was remote started, the break pedal must be pressed in order to allow the remote car starter / alarm to detect that the user has taken over control of the vehicle and so to stop the sequence for passive rearm.

To **arm** the alarm and Starter Kill (if installed) and lock the doors (if installed):

1. Press and hold the lock button for approx. 1 sec.

You will hear **one chirp** if the Siren or Horn is so configured.

2. The **LOCK** button will light up on the L.E.D. display of the remote control. The parking lights will flash once and the L.E.D. will flash slowly to confirm that the doors have been locked and that the Starter Kill feature (if installed) and the alarm are armed.

Idle Mode

Convenience feature: Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running. For example, if you stop for a delivery or at a convenience store, lock your vehicle and leave it running for the length of a run cycle while you are away.

Idle Mode can be activated through the same routine as that used for Ready Mode; at the last step, the **TRUNK** button is pressed instead of the other buttons:

1. Ensure that all the Doors are closed and that the Shifter is in the Neutral position.
2. With the Engine already running, apply the Parking Brake and release the Brake Pedal.
Make sure to release the brake pedal.
3. Within 20 sec. push **LOCK**, **UNLOCK** or **START/STOP** on the Transmitter.
The parking lights will flash 3 times quickly and remain lit.
4. Remove the key: the Engine will go on running.

5. Exit the vehicle and close the Door.
6. Press the **TRUNK** button until the system is armed (the doors will be locked if remote door lock is installed).

If the pre-programmed run-time expires or if the user shuts down the engine by remote control, the vehicle will get in Ready Mode.

Caution!!! Do not leave children or pets unattended in a vehicle standing in Idle Mode.

Turbo Mode

If turbo mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine and set the Remote Car Starter to Ready Mode.

Follow all steps of the Ready Mode routine, to activate Turbo Mode:

1. Ensure that all the doors are closed and that the shifter is in the neutral position.
2. With the engine already running, apply the parking brake and release the brake pedal.
Make sure to release the brake pedal.
3. Within 20 sec. press **LOCK**, **UNLOCK** or **START/STOP** on the transmitter.
The parking lights will flash 3 times quickly and remain lit.
4. Remove the key: the engine will go on running.
5. Exit the vehicle and close the door.
6. Press and hold either:
 - a. **LOCK** to lock the doors and shut down the engine after 60 sec.;
 - b. **UNLOCK** to unlock the doors and shut down the engine after 60 sec.;
 - c. **START/STOP** to shut down the engine immediately, without affecting the doors (this will by-pass Turbo Mode).
 - d. **TRUNK TO SET THE VEHICLE INTO IDLE MODE**

Valet Mode

Valet Mode Using the Valet Switch (if installed)

When your vehicle is in valet mode, the remote starter functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the valet mode will prevent the engine from being remote-started accidentally.

To put the system i n t o valet mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press the valet button.

The parking lights will flash three times to indicate that the vehicle is now in valet mode.

3. Turn the ignition key to the **IGNITION OFF** position.

The L.E.D. will come **ON** solid.

To take the system o u t o f valet mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press and release the valet button (the L.E.D. will come **OUT**).

The parking lights will flash twice to indicate that the vehicle is now out of valet mode.

The L.E.D. will go out.

Note: Once valet mode is activated, the remote starter and alarm functions will be disabled.

Ignition Valet

This feature will allow you to remotely put your system into valet mode by using the ignition key instead of the valet button as above. Ignition valet can be used without a valet button installed.

To put the system i n t o valet mode:

Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.

The parking lights will flash three times to indicate that the vehicle is now in valet mode. The L.E.D. will come **ON** solid.

To take the system o u t o f valet mode:

Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.

The parking lights will flash twice to indicate that the vehicle is now out of valet mode. The L.E.D. will go out.

Note: Once the ignition valet is activated, the remote starter and alarm functions will be disabled.

Remote Valet Mode

This feature will allow you to remotely put your system into valet mode by using the transmitter instead of the valet button as above.

Getting into valet mode

- Hold the **UNLOCK** and **START/STOP** buttons simultaneously for 3 second.
- **The parking lights will flash 3 times.**

The LED will remain on solid.

Getting out of valet mode

- Hold the **UNLOCK** and **START/STOP** buttons simultaneously for 3 second.
- **The parking lights will flash 2 times.**

The LED will turn off.

Note: Once the remote valet is activated, the remote starter and alarm functions will be disabled.

“Home Valet™” Mode

If configured at installation, this feature will remotely set the vehicle to a no-remote-start mode: if the vehicle is parked indoors there is no danger of it starting accidentally by remote control.

Note: Once the home valet mode is activated, the vehicle will not start by remote but the alarm functions will still be active.

To take the system i n t o home valet mode:

- Press the **LOCK** or **UNLOCK** button.
- Within 3 seconds, press the **LOCK** and **START/STOP** buttons simultaneously until the parking lights go out

To take the system o u t o f home valet mode:

- Turn the ignition key to the **IGNITION ON (RUN)** position.

The system will warn you if someone attempts to start your vehicle while it stands in home valet mode. The parking lights will:

- i. Turn **ON** then **OFF**; then
- ii. Flash **twice**, pause; then
- iii. Flash **twice** again.

Panic Mode

In an emergency situation, you can activate panic mode by pressing and holding the **SHIFT** button for 3 seconds until the alarm is activated and the parking lights start flashing. If the vehicle is under a remote start, the engine will shut down immediately.

You can stop the horn or siren by pressing the **LOCK** or **UNLOCK** button.

Furthermore, the panic mode can be stop by activating one of the following three (3) features:

- a) Remote valet (pressing **UNLOCK** and **START/STOP** for 3 seconds)
- b) Ignition valet (turning the key inside the ignition switch from **OFF** to **ON** 5 times in a row)

c) If the key is in the ignition and turned to the ON position, by pressing the valet switch (if included). Panic Mode will automatically shut down after 30 sec.

Quick Lockout™

(Also called **secure panic**.) For fast protection in emergency situations, the system will **LOCK** all doors when you **press the brake pedal while you hear the sound signal**. (**Quick lockout** is only available when **panic mode** has been set off.) For example: a person is pursued, or feels threatened, from a reasonable distance, he or she can disarm his or her vehicle by pressing then **UNLOCK** button. Still while approaching the vehicle, the **SHIFT** button must be pressed and held for 3 seconds. It is now possible to take possession of the vehicle by immediately pressing on the break pedal, therefore locking the doors. The vehicle is ready to start with key and the siren (or horn) is activated to discourage the attacker. The person can now leave safely and deactivate the Panic Mode by pressing the **LOCK** or **UNLOCK** button.

Temporary Chirp Delete

To temporarily disable the chirp confirmations of the siren upon arming and disarming (e.g. in a quiet neighbourhood):

1. Press the **TRUNK** button.
2. Within 3 sec., press the **LOCK** or **UNLOCK** button to arm or disarm without any chirps.

Cold Weather Mode

Ready mode should be set before entering Cold Weather. When cold weather mode is active, the engine starts every 2 hours and runs for 3 minutes (or for 8 or 20 minutes with diesel engines). Cold weather mode automatically ends after 24 hours.

To enter Cold Weather Mode:

- Press the **SHIFT** button and then the **START/STOP** for **3 seconds**.

There will be two (2) beeps and the parking lights will flash three (3) times.

To exit Cold Weather Mode, do any one of the following actions:

- Open the hood.
- Start the engine by remote.
- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press the **SHIFT** button and then the **START/STOP** button for three seconds.

There will be one (1) beep and the parking lights will flash once.

Advanced Features: Installation-programmable Options

The remote starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

Caution: The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your remote starter.

The installation-programmable options are as follows:

Passive or Active Arming	Starter Kill / Anti-grind feature
Remote Door Locks	Siren/Horn Chirp Timing
Priority Door Access	Safe Start
Ignition-controlled Door Locks	Home Valet™
Ignition Re-lock	Turbo Mode
Relock	Engine Run Time
Secure Lock	Extended run time
Remote Trunk Release	Multi-car Operation

Passive or Active Arming

The security system and the starter kill can be configured either to passive mode (so as to arm automatically) or active mode (so as to require user intervention for arming). By default, your remote starter is configured to **passive mode**. In passive mode, the starter kill will automatically arm **30 seconds** after the last door is closed. The remote starter will not arm if a door, hood or trunk is left open, or if you re-open a door, hood or trunk within the 30-second delay. Please note

that when pressing the **TRUNK** button, the trunk will open and the security system will disarm. If your vehicle is in passive mode, the security system will rearm after a 30-second delay, after the last door, trunk or hood is closed.

Important note: When the system re-arms automatically or if there is an alarm condition, you can disarm the system by simply pressing the **UNLOCK** button.

Remote Door Locks

If your remote starter was installed with the remote door locks option, you will have the convenience of remote keyless entry.

Priority Door Access

If the remote door locks option is installed on your vehicle, this safety feature allows you to unlock solely the driver's door with a single press of the **UNLOCK** button on the transmitter; upon a second press of the **UNLOCK** button, all the other doors will unlock.

Ignition-Controlled Door Locks and Relock

This is an added security feature. If your remote starter was installed with the ignition-controlled door locks option, the doors will automatically be locked as soon as the ignition key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. The remote car starter will also lock any door that was unlocked and opened and closed again the next time the break pedal is pressed. When the key is turned to the **OFF** position, the doors will automatically be unlocked.

Relock

If you unlock the doors with the remote transmitter, but do not open any doors, hood or trunk, or turn ignition within 30 seconds, the doors will automatically relock and rearm the system.

Note: When the system is in **active arming** mode and the **relock** mode is enabled, the doors will relock but the system will not rearm.

Secure Lock

Before it can remote-start your vehicle, the remote starter must first disarm the factory security system. The secure lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

To keep your vehicle protected when the factory security system is disarmed for a remote start, secure lock will relock your doors as soon as the vehicle has started. Once the engine run cycle ends, secure lock will rearm your factory security system.

Remote Trunk Release

If your system was installed with the remote trunk release option, you can open your trunk by pressing the **TRUNK** button. There will be one beep and LED #3 will flash 3 times.

Note: When pressing the **TRUNK** button, the **TRUNK** will open and the security system will disarm. If your vehicle is in passive mode, the system will rearm after a 30-sec. Delay, once the trunk is closed. If your vehicle is in ready mode, it will be cancelled as soon as the trunk opens.

The Starter Kill and the Anti-grind Feature

With this added security feature, the system will prevent your vehicle from starting with the ignition key when the security system is armed. If your remote starter was installed with the starter kill option, one will not be able to start your vehicle with the key unless the system has been unlocked and disarmed first, or put into valet mode.

Note: If the starter kill is installed, your vehicle will benefit from a protection against starter motor damage that could occur after remote-starting the engine should the user, by force of habit, turn the ignition key to the **CRANK** position.

Safe Start

If this feature is enabled, the user must press the **START/STOP** button 2 times within 3 seconds to remote-start the vehicle. This will eliminate accidental remote starts, e.g. when children are playing with the transmitter.

If **swap start mode** is selected, to remote-start your vehicle, press the **LOCK** and **UNLOCK** buttons simultaneously. The **AUX 2** output can be activated by pressing the **START/STOP** button.

Home Valet™

If this feature is installed, the user will have the possibility to remotely set the vehicle to a no-remote-start mode. The alarm functions will still be active.

Turbo Mode

When left in turbo mode, the remote starter will keep the engine running for 60 seconds before shutting it down. This is to allow a turbocharger to idle down after the user leaves the vehicle.

Engine Run Time

If you have a gas engine, your remote starter can be programmed to run the engine for 3, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, the remote starter can be programmed to run the engine for 8, 20, or 30 minutes (20 minutes default).

Extended Run Time

While the vehicle is running under a remote start, **pressing and holding the START/STOP button for more than 3 seconds** will reset the run time counter to zero and restart the run time cycle from the beginning. There will be one beep—a pause—three more beeps; the parking lights will flash three times. **The extended run time procedure can only be carried out once per remote start.**

To stop the vehicle, at any moment, simply press the **START/STOP** button.

Example: If your remote car starter is programmed for a run time of 4 minutes and your vehicle has been running for 3 minutes already, pressing the **START/STOP** button will reset the counter to zero and allow the engine to run for another cycle (in this case, 4 minutes).

Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same remote starter model, to control both systems with a single remote control. To control the second vehicle:

Press **TRUNK** + **LOCK** buttons simultaneously:..... **LOCK**
Press **TRUNK** + **UNLOCK** simultaneously:..... **UNLOCK**
Press **TRUNK** + **START/STOP** simultaneously:..... **START**
Press **TRUNK** + **START/STOP** simultaneously:..... **STOP**
Press **SHIFT** ➤ **SHIFT** ➤ **TRUNK**: **TRUNK**

or

Press **SHIFT** ➤ **SHIFT** ➤ **LOCK**: **LOCK**
Press **SHIFT** ➤ **SHIFT** ➤ **UNLOCK**: **UNLOCK**
Press **SHIFT** ➤ **SHIFT** ➤ **START/STOP**: **START**
Press **SHIFT** ➤ **SHIFT** ➤ **START/STOP**: **STOP**
Press **SHIFT** ➤ **SHIFT** ➤ **TRUNK**: **TRUNK**

Note: In order to access the 2nd car operations with the companion remote, Shift button must be pressed twice quickly and then one more time followed by **LOCK**, **UNLOCK**, **TRUNK** or **START/STOP**.

Note: If the multi-level features have been modified from their default state by your installer, the **SHIFT** button may have to be pressed once, twice or three times, according to the option you chose.

Shock Sense, Warn-away Sense

(Both enabled by default.) Your System will react to a full shock by triggering the alarm; it can also respond to a lighter shock (30 % of the strength of a full shock) by giving a **warn-away** (without triggering an alarm condition).

Note: After a remote start, although the shock sensor is disabled, all the other alarm-triggering zones, such as the doors, the trunk or the hood, may still trigger an alarm.

Siren or Horn Chirps

(ON by default.) The siren will chirp to confirm basic operations on the System:

By default, upon **locking** the doors the siren will give **one chirp** if no protection zone is active. If a **zone is active** as the doors are being **locked**, the siren will give **three chirps**.

When the doors are being **unlocked**, the siren will give **two chirps** if no intrusion was detected.

If an **intrusion was detected**, as the doors are being **unlocked** the siren will give **four chirps**.

The system can alternatively be set to:

Warning Mode: no chirp during lock/unlock...

unless a zone is active when locking, in which case there will be 3 chirp upon locking
or unless the alarm was triggered, in which case there will be 4 chirps when unlocking);

Open Zone Notification Mode: 3 warning chirps if a door is left open 10 sec. after arming.

No Chirp: the siren will not chirp under any circumstance.

Disarmed Notification

(Off by default.) This feature will notify the user when the vehicle was left disarmed: after the engine is shut down (with the key removed) and all doors are closed, the siren will chirp once after a 10-sec. notification delay to warn the user that the vehicle was left unprotected. The notification can be avoided by pressing the **LOCK** or **UNLOCK** button on the transmitter.

The user will likewise be notified after the System is disarmed using the transmitter.

Car Finder

(Enabled by default.) When enabled, the Car Finder option will help you locate your vehicle by generating a pulsating signal through the horn or the siren. To hear the signal, press **LOCK** and **UNLOCK** simultaneously. This will cause one chirp and one flash of the lights every time you repeat the sequence.

Flashing LED

There are three programmable options regarding the flashing LED:

- i. **Active arming:** the LED flashes normally.
- ii. **Passive arming:** the LED flashes at an accelerated pace during the countdown before the activation of the starter kill and the security system. Once the starter kill and the security system are armed, the LED will flash at a slower pace.
- iii. **Valet Mode:** the LED will remain on but will not flash.

Troubleshooting Transmitting Range

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers...)
- Metal: any type of metal will affect operating range. This includes the metal in the car.
- The shape of the vehicle can affect range as well; vans in general have an especially poor range.
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on – standing in front of the vehicle – generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height. Holding the transmitter against your chin will also increase your range: your head acts as an antenna.
- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.

Intrusion Codes through the LED Light

If there has been an intrusion in the vehicle while it was locked and armed, the LED will provide an intrusion code matching the type of the intrusion that took place. Disarm the alarm (**UNLOCK**) to identify the intrusion. The LED intrusion codes are flashed in continuous loops:

2 x = Doors intrusion
3 x = Shock Sense
4 x = Hood

5 x = Panic
6 x = Ignition
7 x = Trunk

The alarm diagnostic by LED projects a LED flash sequence immediately after disarming and will remain in that state of alarm memory until the ignition is turned ON.

Diagnostics – Chirps Table

Chirps	Description
1	<ul style="list-style-type: none">• Doors locked, alarm and starter kill armed.• LOCK confirmation.• Entering mode 1 in the programming centre.• Disarmed notification
2	<ul style="list-style-type: none">• Doors unlocked, alarm and starter kill disarmed.• Transmitter programmed.• Entering mode 2 in the programming centre.
3	<ul style="list-style-type: none">• LOCK and arm while a zone is left unprotected.• Entering mode 3 in the programming centre.• Door zone left unprotected.
4	<ul style="list-style-type: none">• UNLOCK and disarm: an intrusion was detected (in warning chirps mode or full chirps mode).• Entering tach-programming mode.• Entering mode 4 in the programming centre.
5	<ul style="list-style-type: none">• Siren or horn chirp timing adjustment
Constant up to 60 sec	<ul style="list-style-type: none">• In siren or horn mode: alarm condition generated by an intrusion, by panic mode or when the system is powered up. The siren will sound for 60 sec.

Diagnostics – Parking Light Flash Table

Flashes	Description	
1	<ul style="list-style-type: none"> Doors locked, Alarm and starter kill armed. Run time has expired. TRUNK button pressed. 	<ul style="list-style-type: none"> Start signal received by the module. Cold weather mode cancelled.
2	<ul style="list-style-type: none"> Remote start attempt cancelled by remote. Doors unlocked, starter kill disarmed. Exiting ignition valet 	<ul style="list-style-type: none"> Exiting remote valet Power-up reset.
3	<ul style="list-style-type: none"> Entering cold weather mode Entering ignition valet Entering or exiting Ready Mode 	<ul style="list-style-type: none"> Entering remote valet. Entering extended run time.
3 slow flashes...	...after a failed start attempt	The module did not detect a tach signal.
4	<ul style="list-style-type: none"> +12 V detected on the brake input wire either while cranking or during run time. Entering multi-speed tach programming. 	
5 Slow	<ul style="list-style-type: none"> Start attempt failed because no tach signal has been programmed. 	
5 Fast	<ul style="list-style-type: none"> Tach signal programmed. New transmitter programmed. 	
6	<ul style="list-style-type: none"> A remote start was attempted while a tach-before-crank signal was detected before cranking. 	
8	<ul style="list-style-type: none"> Unit reset 	
10	<ul style="list-style-type: none"> A ground (-) signal was detected on the hood pin input wire. 	
1 – pause – 2	<ul style="list-style-type: none"> There was a remote start attempt while the vehicle was in valet mode. Failed start: vehicle's low battery voltage. 	
2 – pause – 2	<ul style="list-style-type: none"> There was an attempt to start the vehicle while the module was in valet mode. 	
ON SOLID for 3 seconds....	...followed by 1 flash	Exiting cold weather mode
	...followed by 3 flashes	Entering cold weather mode
ON continuously	<ul style="list-style-type: none"> Idle mode: Idle mode is engaged Run time: The vehicle has been remote started and is in run time. 	
ON continuously	While the brake pedal is pressed.	<ul style="list-style-type: none"> Confirms that cold weather mode is engaged
ON 2 seconds	<ul style="list-style-type: none"> The hood has been opened and a ground (-) signal has been detected on the hood pin input wire. 	
ON 4 seconds	<ul style="list-style-type: none"> Locking or unlocking a door (with Door pulses configured to 4 sec.) 	
ON 20 seconds	<ul style="list-style-type: none"> The hood pin has been flashed and you now have access to the programming options. 	
ON 25 SEC.	<ul style="list-style-type: none"> The Hood Pin-switch has been pressed twice: the Unit went into step 1 of the Programming Centre procedure, and no Transmitter activity was detected for 20 seconds. Or the Unit went into step 1 of the Transmitter Programming procedure and no activity was detected for a few seconds. The Unit has exited the Transmitter Programming procedure. Panic Mode is activated. 	
CONSTANT FLASHES UP TO 60 SEC.	<ul style="list-style-type: none"> In Siren or Horn Mode: Alarm condition generated by an intrusion, or when the System is powered up. 	